

ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	LIFE EXTENSION IN HARD DISK DRIVES THROUGH VIRBRATION AND THERMAL DAMPENING USING POLYMER SPRINGS																																																																																																										
<p>Submission Type : Utility Patent Filing</p> <p>Application Number: 10/711104 </p> <p>EFS ID: 67244</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 25%;">Confirmation Code</th> <th style="width: 75%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5103</td> </tr> <tr> <td>USPTOEFSNote</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/</td> </tr> </tbody> </table> <p>First Named Applicant: Paul Cochrane</p> <p>Attorney Docket Number: VIRS.P001.A</p> <p>Timestamp: 2004-08-23 23:56:39 EDT</p> <p>From: US</p> <p>File Listing:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 15%;">Size (Bytes)</th> <th style="width: 15%;">Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-request</td><td>VIRS.P001.1-usreq.xml</td><td>1991</td><td>2004-08-23</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-08-23</td></tr> <tr><td>us-request</td><td>us-request.xsl</td><td>33904</td><td>2004-08-23</td></tr> <tr><td>us-fee-sheet</td><td>VIRS.P001.1-usfees.xml</td><td>1679</td><td>2004-08-23</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-08-23</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>VIRSP01.xml</td><td>46062</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image1.tif</td><td>516109</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image10.tif</td><td>395070</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image11.tif</td><td>495457</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image2.tif</td><td>498719</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image3.tif</td><td>260657</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image4.tif</td><td>331240</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image5.tif</td><td>792685</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image6.tif</td><td>217649</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image7.tif</td><td>99763</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image8.tif</td><td>452311</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>Image9.tif</td><td>349945</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-08-23</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-08-23</td></tr> </tbody> </table>				Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5103	USPTOEFSNote	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/	Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-request	VIRS.P001.1-usreq.xml	1991	2004-08-23	us-request	us-request.dtd	19064	2004-08-23	us-request	us-request.xsl	33904	2004-08-23	us-fee-sheet	VIRS.P001.1-usfees.xml	1679	2004-08-23	us-fee-sheet	us-fee-sheet.xsl	24912	2004-08-23	us-fee-sheet	us-fee-sheet.dtd	11069	2004-08-23	application-body	VIRSP01.xml	46062	2004-08-23	application-body	application-body.dtd	49498	2004-08-23	application-body	Image1.tif	516109	2004-08-23	application-body	Image10.tif	395070	2004-08-23	application-body	Image11.tif	495457	2004-08-23	application-body	Image2.tif	498719	2004-08-23	application-body	Image3.tif	260657	2004-08-23	application-body	Image4.tif	331240	2004-08-23	application-body	Image5.tif	792685	2004-08-23	application-body	Image6.tif	217649	2004-08-23	application-body	Image7.tif	99763	2004-08-23	application-body	Image8.tif	452311	2004-08-23	application-body	Image9.tif	349945	2004-08-23	application-body	isoamsa.ent	5191	2004-08-23	application-body	isoamsb.ent	3988	2004-08-23	application-body	isoamsc.ent	1460	2004-08-23	application-body	isoamsn.ent	5620	2004-08-23
Confirmation Code	Message																																																																																																										
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																										
ICON1	5103																																																																																																										
USPTOEFSNote	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number: 1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																																										
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																								
us-request	VIRS.P001.1-usreq.xml	1991	2004-08-23																																																																																																								
us-request	us-request.dtd	19064	2004-08-23																																																																																																								
us-request	us-request.xsl	33904	2004-08-23																																																																																																								
us-fee-sheet	VIRS.P001.1-usfees.xml	1679	2004-08-23																																																																																																								
us-fee-sheet	us-fee-sheet.xsl	24912	2004-08-23																																																																																																								
us-fee-sheet	us-fee-sheet.dtd	11069	2004-08-23																																																																																																								
application-body	VIRSP01.xml	46062	2004-08-23																																																																																																								
application-body	application-body.dtd	49498	2004-08-23																																																																																																								
application-body	Image1.tif	516109	2004-08-23																																																																																																								
application-body	Image10.tif	395070	2004-08-23																																																																																																								
application-body	Image11.tif	495457	2004-08-23																																																																																																								
application-body	Image2.tif	498719	2004-08-23																																																																																																								
application-body	Image3.tif	260657	2004-08-23																																																																																																								
application-body	Image4.tif	331240	2004-08-23																																																																																																								
application-body	Image5.tif	792685	2004-08-23																																																																																																								
application-body	Image6.tif	217649	2004-08-23																																																																																																								
application-body	Image7.tif	99763	2004-08-23																																																																																																								
application-body	Image8.tif	452311	2004-08-23																																																																																																								
application-body	Image9.tif	349945	2004-08-23																																																																																																								
application-body	isoamsa.ent	5191	2004-08-23																																																																																																								
application-body	isoamsb.ent	3988	2004-08-23																																																																																																								
application-body	isoamsc.ent	1460	2004-08-23																																																																																																								
application-body	isoamsn.ent	5620	2004-08-23																																																																																																								

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	isoamso.ent	1934	2004-08-23
application-body	isoamsr.ent	7073	2004-08-23
application-body	isobox.ent	3568	2004-08-23
application-body	isocyr1.ent	5345	2004-08-23
application-body	isocyr2.ent	2504	2004-08-23
application-body	isodia.ent	1508	2004-08-23
application-body	isogrk1.ent	4030	2004-08-23
application-body	isogrk2.ent	2259	2004-08-23
application-body	isogrk3.ent	3559	2004-08-23
application-body	isogrk4.ent	1920	2004-08-23
application-body	isolat1.ent	5282	2004-08-23
application-body	isolat2.ent	9007	2004-08-23
application-body	isomfrk.ent	4553	2004-08-23
application-body	isomopf.ent	2571	2004-08-23
application-body	isomscr.ent	4628	2004-08-23
application-body	isonusm.ent	5913	2004-08-23
application-body	isopub.ent	6621	2004-08-23
application-body	isotech.ent	5268	2004-08-23
application-body	mathml2.dtd	54588	2004-08-23
application-body	mathml2-qname-1.mod	13225	2004-08-23
application-body	mmlalias.ent	38209	2004-08-23
application-body	mmlextra.ent	7901	2004-08-23
application-body	soextblk.dtd	12870	2004-08-23
application-body	us-application-body.xsl	82504	2004-08-23
application-body	wipo.ent	4956	2004-08-23
application-body-pdf-wrap	VIRSP01-pdf-wrap.xml	733	2004-08-23
abstract-pdf	VIRSP01-abst.pdf	25602	2004-08-23
claims-pdf	VIRSP01-clms.pdf	38676	2004-08-23
description-pdf	VIRSP01-desc.pdf	95500	2004-08-23
drawings-pdf	VIRSP01-draw.pdf	529658	2004-08-23
us-power-of-attorney-grant	XVIRS.P001.PAGE1.tif	59018	2004-08-23
us-declaration	VIRS.P001.PAGE1.tif	59018	2004-08-23
us-declaration	pg2.tif	30962	2004-08-23
us-power-of-attorney-grant	last.tif	30961	2004-08-23
package-data	VIRS.P001.1-pkda.xml	10054	2004-08-23
package-data	package-data.dtd	27025	2004-08-23
package-data	us-package-data.xsl	19263	2004-08-23
		Total files size	5832309

Message Digest:

7b84179f892137c643a2eeadd70c7acbb6223612

Digital Certificate Holder
Name:

cn=David Bogart
Dort,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US